

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-13. (Canceled).

14. (Withdrawn) A wastewater treatment apparatus that treats a wastewater containing persistent substances comprising:

a wastewater treatment bath for treating the wastewater;

an oxidizing reagent adding unit for adding an oxidizing reagent in the wastewater treatment bath; and

an alkaline reagent adding unit for adding an alkaline reagent in the wastewater treatment bath.

15. (Withdrawn) The wastewater treatment apparatus according to claim 14, wherein an acid treatment bath having an acid adding unit for adding an acid is provided on the downstream side of the wastewater treatment bath.

16. (Withdrawn) The wastewater treatment apparatus according to claim 14, wherein a concentration ratio of (oxidizing reagent carried-in effective oxygen amount (mg/L))/COD concentration in wastewater (mg/L)) in the wastewater treatment bath falls within a range from 10 to 0.7.

17. (Withdrawn) The wastewater treatment apparatus according to claim 15, wherein a pH of

the wastewater treatment bath falls within a range from 2 to 6.

18. (Withdrawn) The wastewater treatment apparatus according to claim 14, wherein an activated carbon absorbing unit for removing organic materials and/or a filtering unit for removing suspended matters in the wastewater is provided as a pre-processing unit.

19. (Currently amended) A wastewater treatment apparatus capable of removing COD components contained in a wastewater which includes the COD components produced and discharged in a gas purification process of a gasification facility comprising:

a wastewater treatment bath for treating that treats the wastewater containing the COD components under alkaline conditions;

an alkaline reagent adding unit that adds an alkaline reagent in the wastewater treatment bath so that a pH of the wastewater treatment bath is within a range from 7 to 12 based upon the alkaline reagent;

an oxidizing reagent adding unit for adding that adds an oxidizing reagent in the wastewater treatment bath, a pH of the wastewater treatment bath being within a range from 7 to 12 based upon an alkaline reagent bath to decompose the COD components;

an ultraviolet treatment unit for irradiating that irradiates an ultraviolet ray for decomposing the COD components; and

a pump that feeds an oxidizing water oxidized in the wastewater treatment bath and thereafter returns the same to the wastewater treatment bath, so as to circulate the wastewater; and

an acid treatment bath having an acid adding unit for adding that adds acid, the acid treatment bath provided on a downstream side of the wastewater treatment bath and on an upstream side of the ultraviolet treatment unit, wherein the acid treatment bath has a pH within a range of 2 to [[4,]] 4,

wherein the ultraviolet treatment unit comprises:

~~a pump that feeds an oxidized water oxidized in the wastewater treatment bath;~~

an ultraviolet ray-transmitting reaction bath ~~for forcing that receives~~ the oxidized water fed from the pump ~~to inflow therein, wherein the ultraviolet ray-transmitting reaction bath is arranged on the downstream side of the acid treatment bath;~~ and

a pair of ultraviolet lamps ~~that are~~ disposed outside the reaction bath, so that an ultraviolet ray emitted from the pair of ultraviolet lamps passes through the ~~ultraviolet ray-transmitting~~ reaction bath and is irradiated on the oxidized water to decompose the COD components in the oxidized water.

20. (Withdrawn) The wastewater treatment apparatus according to claim 19, wherein the alkaline reagent adding unit for adding an alkaline reagent in the wastewater treatment bath is provided.

21. (Canceled).

22. (Previously Presented) The wastewater treatment apparatus according to claim 19, wherein a concentration ratio of (oxidizing reagent carried-in effective oxygen amount (mg/L))/COD concentration in wastewater (mg/L) in the wastewater treatment bath falls within a range from 10 to 0.7.

23. (Previously Presented) The wastewater treatment apparatus according to claim 19, wherein a concentration ratio of (oxidizing reagent carried-in effective oxygen amount (mg/L))/COD concentration in wastewater (mg/L) in the ultraviolet treatment unit falls within a range from 20 to 0.5.

24-25. (Canceled).

26. (Withdrawn) The wastewater treatment apparatus according to claim 19, wherein an activated carbon bath and a neutralizing bath are provided on the downstream side of the ultraviolet treatment unit.

27. (Withdrawn) The wastewater treatment apparatus according to claim 19, wherein a pH adjusting unit is provided on the front stream side of the ultraviolet treatment unit.

28. (Withdrawn) The wastewater treatment apparatus according to claim 19, wherein a reducing bath is provided on the downstream side of the ultraviolet treatment unit.

29. (Withdrawn) The wastewater treatment apparatus according to claim 28, wherein an aeration bath is provided on the downstream side of the reducing bath.

30. (Withdrawn) The wastewater treatment apparatus according to claim 19, wherein an activated carbon absorbing unit for removing organic materials and/or a filtering unit for removing suspended matters in the wastewater is provided as a pre-processing unit.

31. (Currently amended) A wastewater treatment apparatus capable of removing COD components contained in a wastewater which includes the COD components produced and discharged in a gas purification process of a gasification facility comprising:

a wastewater treatment bath ~~for treating that treats~~ the wastewater, wherein the wastewater treatment bath accommodates a pH ranging from 7 to 12 wastewater, containing the

COD components under alkaline condition:

an alkaline reagent adding unit that adds an alkaline reagent in the wastewater treatment bath so that a pH of the wastewater treatment bath is within a range from 7 to 12 based upon the alkaline reagent;

an oxidizing reagent adding unit for adding that adds an oxidizing reagent in the wastewater treatment bath to decompose the COD components;

an ultraviolet treatment unit for irradiating that irradiates an ultraviolet ray comprising for decomposing the COD components;

a pump that feeds an oxidized water oxidized in the wastewater treatment bath and thereafter returns the same to the wastewater treatment bath;

a reaction bath that receives the oxidized water fed from the pump therein, wherein the reaction bath is arranged on the downstream side of an acid treatment bath;

an ultraviolet ray transmitting reaction bath for forcing the oxidized water fed from the pump to inflow; and

a pair of an ultraviolet lamps are provided outside the reaction bath, so that an ultraviolet ray emitted from the pair of ultraviolet lamps passes through lamp that irradiates an ultraviolet ray toward the oxidized water in the reaction bath and is irradiated on the oxidized water to decompose the COD components in the oxidized water; and

an acid treatment bath having that has an acid adding unit for adding an acid, the acid treatment bath provided on a downstream side of the wastewater treatment bath and on an upstream side of the ultraviolet treatment unit, wherein the acid treatment bath accommodates has a pH ranging from within a range of 2 to 4.

32. (Previously Presented) The wastewater treatment apparatus according to claim 31, wherein the wastewater treatment bath accommodates a concentration ratio of (oxidizing reagent carried-in effective oxygen amount (mg/L))/COD concentration in wastewater (mg/L) in the

wastewater treatment bath falling within a range from 10 to 0.7.

33. (Previously Presented) The wastewater treatment apparatus according to claim 31, wherein the wastewater treatment bath accommodates a concentration ratio of (oxidizing reagent carried-in effective oxygen amount (mg/L))/COD concentration in wastewater (mg/L) in the ultraviolet treatment unit falling within a range from 20 to 0.5.